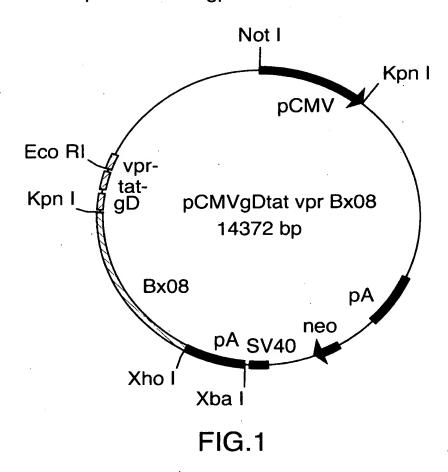
#### Plasmid pCMV .Bx08.gp160



APPROVED	APPROVED O G. FIG.		
ВУ	CLASS SUBCLASS		
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#### DNA immunization plasmid pCMV3Bx08.

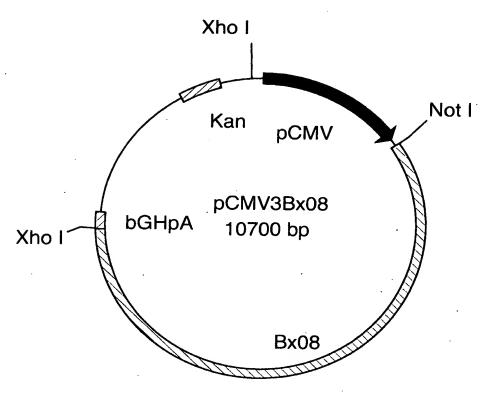
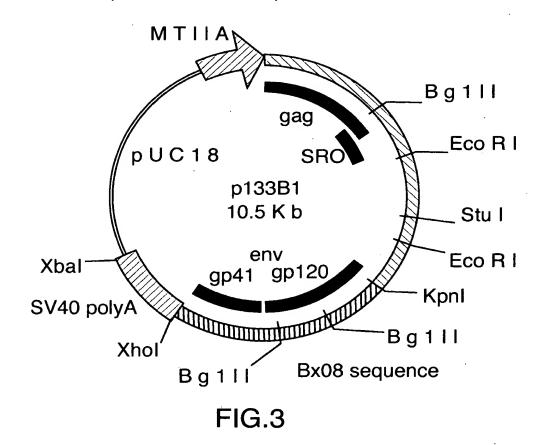


FIG.2

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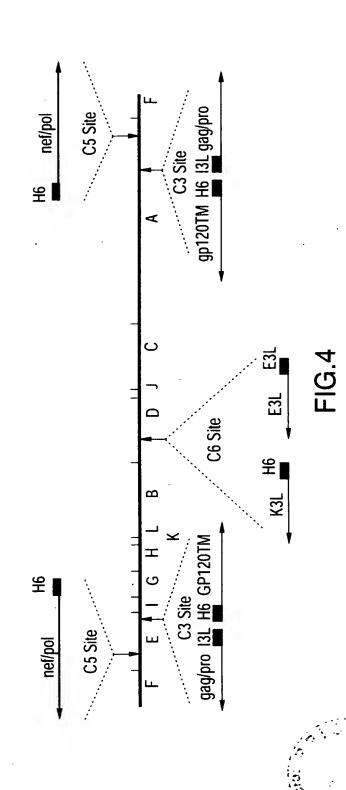
#### Pseudovirion Expression Plasmid p133B1 HIV-1 Bx08



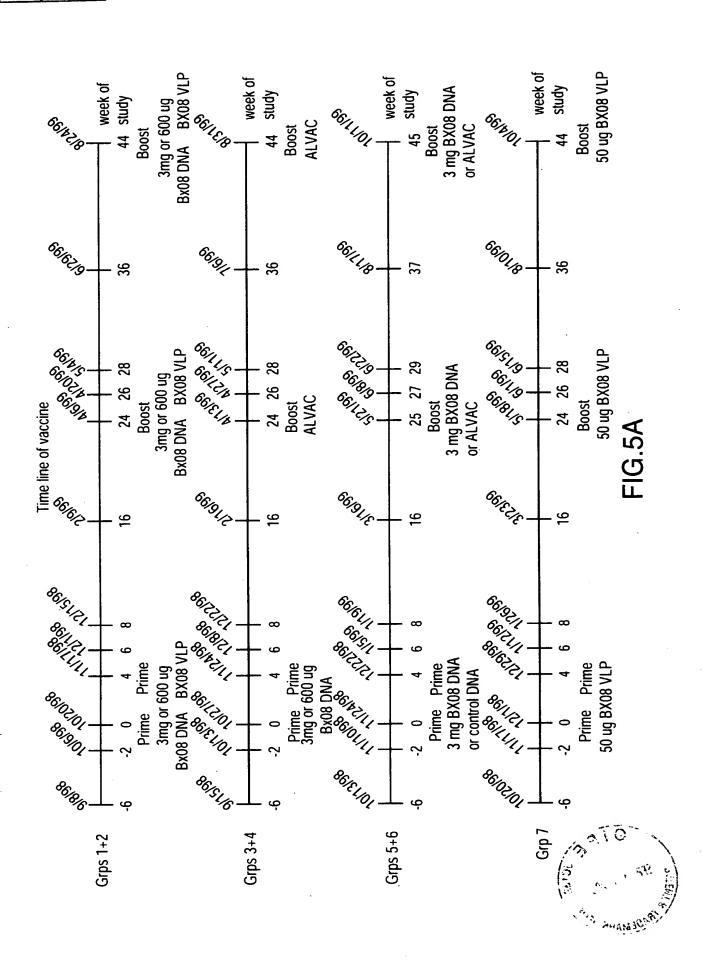


APPROVED	APPROVED O.G. FIG.	
BY	CLASS SUBCLASS	
DRAFTSMAN		

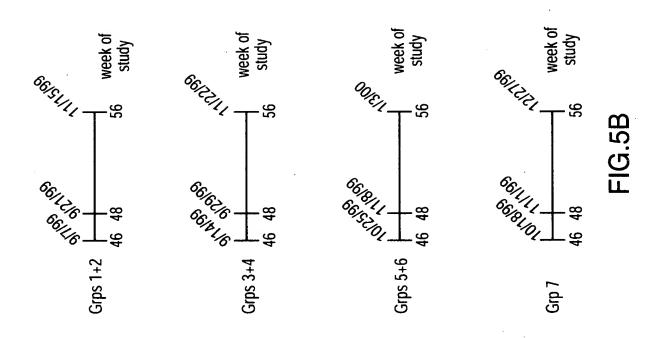
ALVAC(2)120(BX08)GNP (vCP1579) (ALVAC Xhol Restriction Map)



	APPROVED O.G. FIG.		
BY	CLASS SUBCLASS		
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DRAFTSMAN		





	O G. FIG.		
ву	CLÁSS	SUBCLASS	
DRAFTSMAN			

26 wk macaque serum immunoreactivity to HIV antigens (1:100 diln)

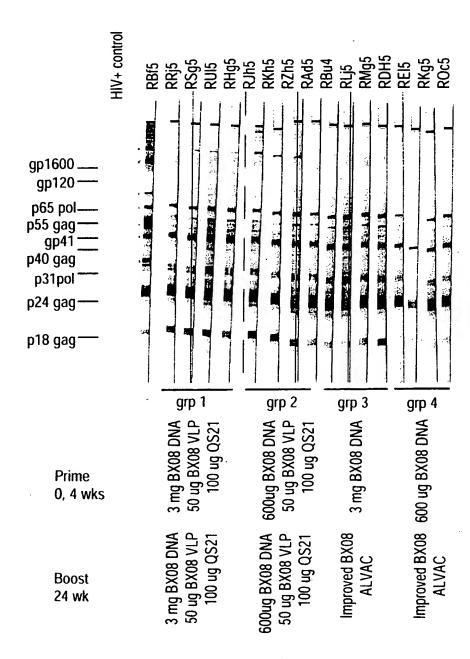


FIG.6A



APPROVED O G. FIG.		
BY	CLÁSS	SUBCLASS
DRAFTSMAN		

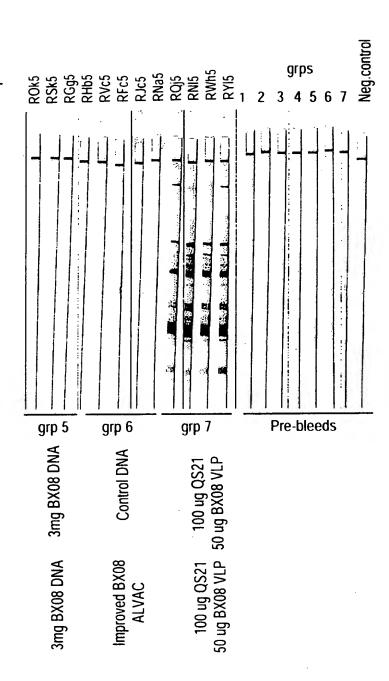


FIG.6B



APPROVED O.G. FIG.		
BY	CLÁSS	SUBCLASS
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26 wk macaque serum immunoreactivity to HIV antigens (1:1000 diln)

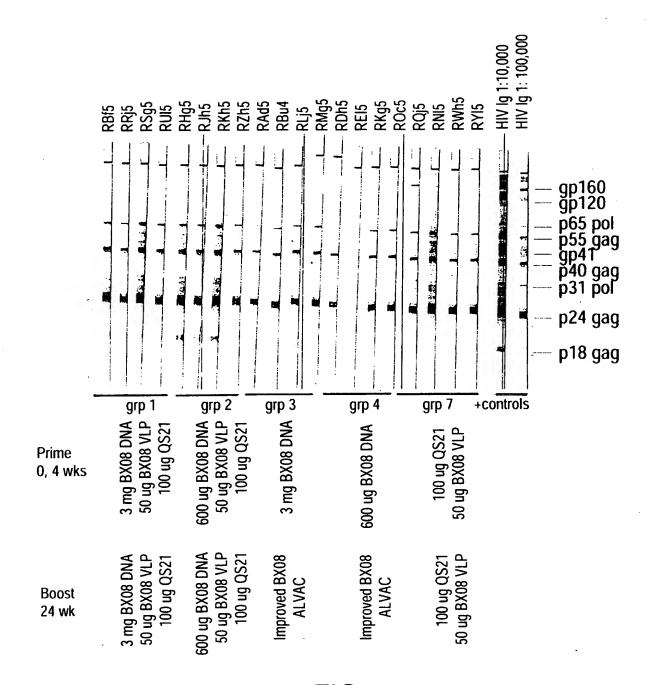
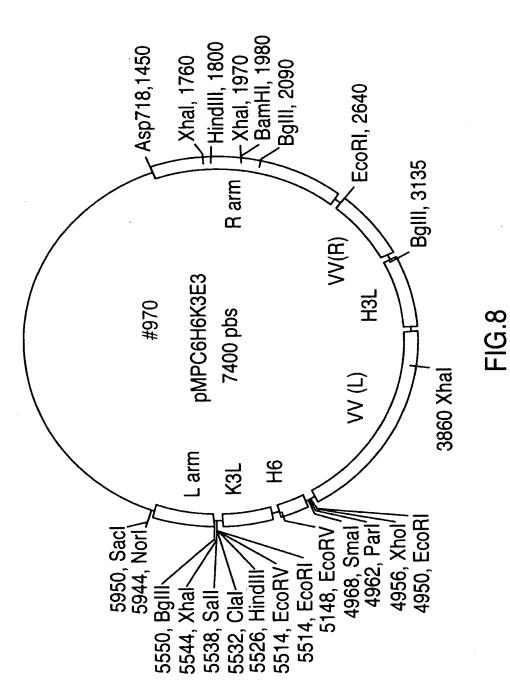


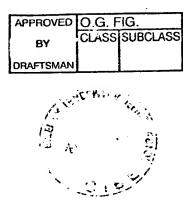
FIG.7

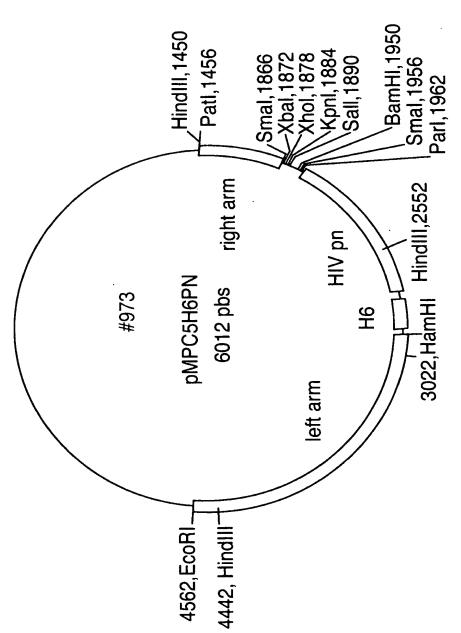


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DRAFTSMAN		









**FIG.9** 

A	PPROVED	O.G. FIG.	
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DI	RAFTSMAN		

#### Plasmid pHIV76

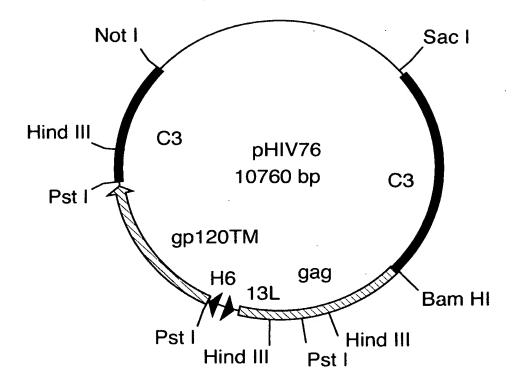


FIG.10



APPROVED O.G. FIG.

BY CLASS SUBCLASS

DRAFTSMAN

## FIG.11A

VCP1579: H6/HIV Pol/Nef epitope cassette in ALVAC C5 site

OCTACAAGCT AGTACCAATG GGCAATTAITIC TICCATICATITY GIVITINGEA TICTICACITIAG AAAITAGGGCA GCAITAGAACA GAATTIACACA TAATTAGTCA TIGITATIOGITA ATGOCACTIMA CAGNAGAAGC AGAGCTIAGAA TGACCCATCA TACATTAGCA TCACAAAAAT CITACAGCCT TITACAAAAC AAAAITCCACA CATAGITAITC TRACCICCC TCATTRACTRA GCATCCCCCA GAAAAACGAAAA CITTAAAAGI GAAAAITAAAI TITGAGGGTITG TIGITIAAAITIG AAAGCGAGAA AITAAITCAIT AITICICAACG AAGACAAGAI TCAAATTTAT GGIPGGITITI CICAAGIPOC ITITAAGACCA AIGACITIACA AAGCAGCIGI AGAICITITCI TAGACAAGGT TIPAAAAICI GAAAACAGGA AIGGAGIIGGA GAITIIGAITIC TACCTAGACA ATTACATICCT GAATATTTTA AAAATTGTAT AGCITCACACA ACATICTIGITIG AGGITGGGCAC TITACAACCAT CICATIOCCA GCAUCITIAAL TINGGIOGAC ACAGAGACAT TCTBABAGAA CCAGTACATG GAGTIGTBATTA AATTOGACATTA ACAAAAACTA ATCAGCTATC GGGGTTAATT AATTAGTTAT CITEAATTAAT TAGAGCITICT TITAITICITATIA AACAAAAAGG AGGITTIAGAA GGGCIIAAITIC ACAGAAGCAG GGGCAAGGCC TITITITICAL TALITIAGAAA TITAIGCALTIT TAGAICITTIA CGITTAATTAA TGTGCATTTA TCATACACAA GCATATTTTC TITIGGITIGGI CCAGGGTACC CAGIICACATIA COCATITAACC ALTICIAGACT OGAGAACCAG ACTRICTIGCT GICALPAAAA CCCGGGAICG TCCGTTAAGT TAGCACAAAT CENTITICERS AAAATTACAGG CACITITIDA TCAGGCAGGG ACAAAGGITIC TATOGOGATA CIGGCAGAAA CAAGAGCCAT CAAAGIIAGCA AUTICITICALL CCACCACCAC **AAAGACITIAA** TITICALICAGE TATICAATTACA CCAGIDACAC 961 1021 301 361 481 541 601 661 841 901

GCCCAAAAGI IAAACAAIGG GIACAGAGAI GGAAAAGGAA

TACCAGTAAA ATTAAAGOCA GGAATGGATG

ALTICACACTIC

1081 01201

OCATTICACAG AAGAAAAAT AAAAGCAITTA GIFAGAAAITTI

GOCAAAAITIT CAAAAAITIGG GOCIITAAITIT TITCIIGCAGOC

TITITIALAGO

CGGGGGAITCC

ı	APPROVED O.G. FIG.		
	ву	CLASS	SUBCLASS
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1261 TAATTAGICA GGIACCITIG AGAGIPACCAC TICAGCIACC TCITITIGIGI CICAGAGIPA 1321 CITICITIMA TCAAITOCAA AACAG

Upstream (right) flanking sequence: 1-266

W H6 promoter: 267-390

HIV pol/nef/pol/nef/pol cassette: 391-1227 Downstream (left) flanking sequence: 1227-1345



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## FIG.12A

E3L and K3L genes in C6

110 ... INCAIRITING INCAAAGGIA IICAIRITIIC CIRICAAITIC IRAAGIAGAI GAIRITRAIR ... AICTATAAIG AIGITICCAT AAGTATAAAG GATAGITAAG ATTICAICTA CIATAATTAT 100 90 8 50... CICCAGOGC GOOGRIPGI TITICAGAAIT ACICAAICCA CAICIAICAI... GAGCTOGOGG COGOCTEMICA AAAGTOTTEAA TGAGTTEAGGT GTEACHTEATEA... 40 \* 9 30 \* 20 2

160... TGAGITICIA CIACIAICAI CIPATIAICIA 160CAGIAIA ITACIGACGI... ACTICAAAGAI GAIGAIIAGIFA GAIFAAIFAGAI ACCCICAIFAI AAIGACTGCA... 150 \* 140 \* 130 \* 120

220

... TIPAACCIGC CAAGIGIPAA AITINGINGIG COCAAGIAIT CAAAGIIGAC GIAICIAGIT ... AAITIIGGAGG GIICACAIIII IPAICAICAC GOGIICAIPA GIIIICAACIG CAIAGAICAA



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270... AAITCICACIA AAAAGAIBGC OGAIGIAITI GAGAGAGAIT GGACAITCIAA... TIPGAGICAT TITICIPATOS GCIACATRAA CICTCICIRA CCIGIAGATT... 260 250 240 230

33	*	TEAT	MATTA
	*	CATCAG	GINGIC
320	*	TEAL	PATA
	*	ATTITIC	TPAAAAC
310	*	ATTGG	TACC
	*	TACATA	ATGIRAT
300	*	ATTAA	TATT
	*	TTATA	AATATT
290	*	ACAG	IGIC
	*	GAAATT	CITITA
280	*	IPAAA	ATT
	*	CIROGCIRAA GAAATIRCAG IIRIRAAIRA IRCAIRAIIGG AITITIGITAT CAICAGITAI	GAITGOGAITIT CITITAAIGIC AAITAITITAIT AIGITAITIAOC ITAAAACAAITA GIRGICAAITA
:	•	•	•

				0	*	H
				440		8
					*	PATA:
						ğ
				430	*	AAAAAIGACT AATTAGCTAT AAAAACCCAG AICTCTCCAG GTCCACGGTA TCCATAAGCT
					*	2
						OIE
				420	*	GAG.
					*	
						AIC
•	•	•	•	410	*	CAG
380	*	Ŕ,	E E	•	*	8
	*	AT I	PAY.			AAA
		E	PATIC	400	*	
370	*		EG.	7	*	PAGC:
(-)	*	AAA	TIL			MIT
		AITITAACAITA AGITACAAITAA AAAGITAITTAA AITAAAAAITAC TITACITIACCA.	TAAATIGIAT ICAIGIIAIT TIICAIBAIT IATITITAIG AAIGAAIGCI	330	*	
360	*	¥.	Ę	(')	*	AIG
(*)	*	HAT	ATA			AAA
		AAAG		•	•	
350	*	PA 1	E	•	•	•
ന	*	PAI	SITE			
	•	GIR	CAIL		•	
340	*	E A	Z T			
ň		A S	TGI			
	*	TI	AAAI			
		K	H			

... TITITIACICA TIPATOGATA TITITIGOGIC TAGAGAGCIC CAGCIGOCAT AGCIPATIOGA



APPROVED	O.G. FIG.		
BY	CLÁSS	SUBCLASS	
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# FIG.12C

						530	*	TI	AAA	×	
						ξ		9	GIG	>	
							*	AAT	TITA	н	
								ICI	AGA	æ	
						520	*	AAC	TIG	>	
							*	AIC	TAG	Ω	
								ATA	TAT	×	
						510	*	TGT	KZ.		
:	•	J	XA AAA	•	:	u,		H	AAA	×	
		I II	A AA	×			*	3	<b>76</b> G	G	
480	*	O	O		İ	0	*	ATA	TAT	×	
	*	A CAT	r GIA	Σ	Ì	200		TAT	ATTA	Н	1,27
	•		A TGT	ບ			*	AIIC	TAG	Ω	
470	*		S AG	æ				9	CIG	>	
•		•	C TRC	Ħ		490	*	AIT	TAA	z	
	*		r AAC	δ <sub>i</sub>			*	GIA		×	
		TT 1	₩.			•	:	•	•	:	
460	*	AAAA	TILL								
	*	IGATATICGAA TICATAAAAA TI A	ACTATAGCTT AAGTATTTTT AA T								
450	*	AA T	IT A								
4	*	ATOG.	INGC								
	•	TGAT	ACIPA								

:	:	•	•	•
•	•	TTC AAC	TIG	>
570	*		¥	臼
υ,		ATA	TAT 1	×
	*	[2]	<b>8</b> 5	24
260	*	TIT AIC	TAG (	Д
26		TE	AAA	×
	*	CAC CAC	213	Н
		TAC	AIIG	>
550	*	8	8	ტ
	*	EEL	AAA	×
		AGT	ā	H
540	*	THC THC	AIG	>
ц,		TI	AAA	×
	*	AAC	TIG	₽



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FIG.12D

10.7 F. S.	710 * CCA ATA GCT TAT S Y
1TIC AAG	* GAA GTT 1
* CAT AGC CTA TCG I A	700 * * ATT GGG
* * * * TGC CAA ACG GIT	* 25 CS
600 * C ACT CTC G TGA GAG S TGA GAG	690 * * * T TPC ATC A ATG TAG
590	660 ATA ATC TAT TAG Y D 680 * * * T GCC CTT TAT A CGC GAA ATA G K I
* ATC CAT ATG TAG GTA TAC D M H K3L	650  GIA TAG AGC A CAT ATC TCG T  Y L A  670  CGTA TAC TCT  CGTA TAC TCT  G CAT ATG AGA  Y V R
* * * ATA TCT TAT AGA Y R	* TEA ANT GE ANT TEA CP AT TEA CP AT
	640  * * * * CIC ANA ANG N CNG TITT TITC T D F L
	630 *



	O.G. FIG.		
ву	CLASS	SUBCLASS	
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## FIG.12E

				810	*	CCAAGAAC	<b>STICITG</b>
				800	*	ACACAAC OCT	TETETTE GE
09/	PATICA			790	*	AAITAAITIIAI GAITIAITIICI OOCIITICAAI IITAACACAAC OCICAAGAAC	TITALITABALA CIPALABAGA GOGAAAGITIA AALTIGIGITIG GGAGITICITIG
750 *	CAT AGG ATACAAACTT AAGGGATATIC GOGATAATGA GIA TGC TAIGTTTTGAA TTGCCTATAG GGCTATTACT			780	*	DATE OCC	ATTAAAGA GOG
740	NACTT AACGG TTGAA TTGCC			770	*	ATTITAT GAT	TRANTA CITA
* *	OG ATTACA.			:	:	AATF	TIPA
<b>1</b> *		Z	-K3L				
720	TCC AAG						
<b>*</b>	ACA AAA IGI TITI	A					

				920	*	TAACCCCCCC	ATTIGGGCCCC
				910	*	ACTRACTRACT	TCATTAATTA
				006	*	AATTRAIGAA CAGATIGIIT CGITTITICCCC TIGGOGIPAIC ACIPATIBAT TAACCCGGGC	TIPATITACITI GICIPACAAA GCAAAAGGGG AACCGCATAG ICATIBATITA ATTIGGGCCCC
860	*	CIPALT	BATTAA	890	*	KILLINGCC	CAAAAGGGG
850	*	VACENA MOCTIC	TICIT TOGA	880	*	GATTGITT C	CIPACAAA G
840	*	ATTA GAATTA	TAT CITIAL	870	*	PATICAA CA	ATTACTT GI
	*	T TITTANGE	A AAATTICA	:	•	AAT	TIPA
830	*	ATTTTCACI	TAAAAGIICA				
820	*	CITIGIAITI AITITICACIT ITITAAGIAIA GAAIBAAGAA AGCICIPAAIT	GAAACATAAA TAAAAGIGAA AAATICADAD CIDAITICID TOGAGAITAA				



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BY	CLASS SUBCLASS			
DRAFTSMAN				

### FIG.12F

...076 TOCACCIOCA GGAATICAAC TATAIOGACA TATTITCAITT GIATACACAT... ACCICCACCI CCITIAAGITIG AITAITACTIGIT AITAAAGITAAA CAITAIIGIIGIA... , 960 , 950 940 930

:	980	066	1000	1010	1020	1030
•	*	*	*	*	*	*
:	<b>AACCAITIACT</b>	AACGTAGAAT	AACCAITACT AACSTAGAAT GIAIDAGGAAG AGAIGIBAACS GGAACAGGGT TIGIITGAITIC	ACATIGITAACG	GGAACAGGGT	TIGITICALTIC
	AZYTINA BUTZZYTITA	THE STATE OF THE S				2 A DATA A CHIRA DATA

			1140	*	TATIGICAL
			1130	*	CATIGITIA AC
			1120	*	CIRITRIRGA IGCCARGATA ICIPATRIRAT TRITITIGIRA GAIGAIGITA ACIPATGIGAT
1080	* * * *	ATTA.	1110	*	DATTARAT TAU
	* *	CAGA ACGTICC	1100	*	CCANCATTA TC
	,*************************************	CELLICATIVA GALTATICINE TRACAACACA ALTRIGCACA ACCICCALTA.	1090	*	ATTATAGA TO
1050	* * אדיים איזיסי	TANT TRACEA	:	:	E ::
	* * '¤ሞሞ (*ሞ¤Aሞ'¤C	TAA GATTAIK			
	*	CGITICA			

... GAIDAIDAICI ACGGIICIBI ACAIBIDIDA AIBABACAIT CIRCIBCAAT IGAIBCACIB



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FIG. 120

				1230
1190	*	CICT	GAGA	1220
	*	TTOCAA	AAGGITI	1210
1180	*	TOCATIATIATIC	ACCIPATIATIAC	1200
1170	*	TTCATGEATT	<b>AAGTACATAA</b>	H ::
1160	*	CIMINIAAGI AGIGIMAIAA TICAIGIMIT IOGAIMIMIG TIOCAACICI	GATIATIATICA TCACATTATT AAGTACATAA AGCTATATIAC AAGGTTGAGA.	
1150	*	CIPATRATAGI	CATTATTATTICA	

... GICTITIGICA TGICTAGTIT CGTAATATICT ATACCATOCT CAAAAATAT ATTCGCATAT ... CACAAACACT ACACATCAAA GCATTATACA TATOGTAGGA GTTTTTTATA TAAGOGTATA

1250

1240

TRACCCTITCA CAACTCAACA TACAACATTT TITTACAACTT CCATACCTTA... ATTOCCAAGI CITCAGITICI AICITCIPAA AAAICITCAA OGIATOGAAI..

... 1310 1320 1330 1340 \* \* \* \* \* \* \* \*

1360

1350

... AIRAIRAICI AITIIIACCIC ITICICAIRAIC AITRAIGAIR IRGIIITITICA CACIRIICITIC

... TAITIAITIAGA TAAAA116GAG AAGACTIAITAG TAATTIACTAT AICAAAAACT GICATIAGAAG

1410... ingreatinga metantea charactaa gaaacegaha gcencemes... 1400 1390 1380

PACAGITIAACI, AAGAAIBAGI GAIBIBGAIT CITTIGOCIBI OGCAGGGAIC...

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BY	CLÁSS	SUBCLASS
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GACCAACIPAC TOCCATTBAIT ATCTCTBITTA TPACCTTCTGG ACATBAITTCA TCTPATTBITAC ... CIGCITICATG ACGSTAATTA TACACATAAT ATCCAACACC TGTATTAAGT ACATAATATG

GICTIPATITA OCCITICATAA GOCATAGATA GATTGIFATCA AAAITCITITC... CACAATTAAT GOCAACTATT COSTATICTAT CTAACATAGT TTTAAGAAAG...

... TCAGAAICIA AGAOCIGAIG IICAIMIMIT GGITCAIACA IGAAAIGAIC ICIMITGAIG

... AGICTIPAGAT TOTOGACTAC AAGIATATAA OCAAGIATGI ACTITIACIAG AGATAACTAC

ATAGICACIA TITICALITCIC IGAAAATIGG TÄACICALITC TAIDATALIGCT...

TATICACTICAT AAAGTAAGAG ACTITITAACC ALTICAGTAAG ATATATACAA...

... TICCITICITIC AUGAAGGADA GAADADACIC AADAGAATITI GDACCAACAA ACUGITICICI ... AAGGAACAAC DACTTCCTAT CITATATGAG TTATCTTAAA CATGGTTGTT TGACAAGAGA



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### FIG.12I

				1800	*	AIGIGICAGG	TACACACTOC
				1790	*	CAATTAGAGA CITGICICCI GITAICAATA TACIPATICIT GIGATAATIT AIGIGIGAGG	CACTATTAAA ?
				1780	*	TACIPATICIT	ATGATTAAGAA
1740	*	CATTTAA	STAPAIT	1770	*	GITTATICAATTA	CAATAGITTAT
1730	*	STRAGGC ATTAC	CATTICCG TRAIN	1760	*	CITIGICIOCI	GAACAGAGGA
1720	*	PAIGAATOGI ATRICATCAT CIGAAATAAT CAIGTAAGGC ATACATITTAA	VIRCITINGCA TAINGINGIN GACTITINITIA GINCALTICCG TAIGEAAATT	1750	*	. CAATTIMGAGA	GITTAATICTICT GAACAGAGA CAATAGITTAT AIGATAAGAA CACTAITTAAA TACACACTOC
1710	*	ATTATICATICAL C	TATAGIAGIA G	•	•	•	•
1700	*	TATICAATIOGT 1	ATACTTAGCA !				

							•
				1910	*	GCAGCIACAG TICTIGGCIT AAACAGATAT AGITITICIG GAACAAATIC TACAACATTA	OCTOGRIGIC ARGAROCGAA TITIGICIPATA TCARARAGAC CITIGITITAAG AIGITGIBAIL
				00	*	CI	AG A
				1900	*	YAAT	FIEA
					~	3AAC	DILIC
				1890	*	) DIC	
				1	*	H	AAAA
						AGI	12
:	•	_:	•	1880	*	ATAT	IMIM
1850	*	CAAL	GIT		*	ACAG.	IGIC
	*	AAIIC	TIAC	0	*	I AA	A TI
0	*	S H	A G	1870	•	33CT	85 84 84 84
1840		GATTA	CIM		*	ICIT	ACAPA
	*	MCID	EGA!	1860	*	PG T	TC A
330	*	T AT	AT 7	18	*	CERC	GAIIG
1830	*	TIGH	MAC			GGAG	OEGO
		AAIT	TE	•	:	:	•
1820	*	E	<b>ZAAA</b>				
<b>,</b> ,	*	X	<b>3CAM</b>				
0	*	S C	E G				
1810	•-	TEGET	<b>VACA</b>				
	*	CAAATITIGIC CACGITICITIT AATITITIGITIA TAGIPAGAITAT CAAATICCAAT	GITITAAACAG GIGCAAGAAA TITAAAACAAT AICAICITAIA GITITAGGITA				

1960... TIPATA AGGA CITITGGGIPG AIRAGIGGGA TGA AAICCIR TITITAATIPA... 1950 1940 1930 1920

AAITAITICCI GAAACCCAIC ITAITICACCI ACITITAGGAI AAAAITIAAITI...

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BY	CLASS	SUBCLASS
DRAFTSMAN		

•	1970	1980	1990	* 5000 *	2010	
•	TGCTATOGCA	THETOCHOST	GCAAAIIAITOC	IGCIPATOSCA ITIGICCIOGI GCAAAIRIOC AAAOGCITITI GICAUAGIAT GGCAITICAIT	GICATAGIAT	
	ACCATACACT	AACAGGAGCA	CETTTATAGE	ACCEPTORY AACACCA CONTINATACC TITICOCAAAA CACTATCATA COCTATAACTAA	CACTATCATA	

				2130	*	<b>TEADADADT</b>	ATTITITIA
				2120	*	AICEAICECA A	TAITCAITCAGE GEAAITIAITCA TEATGITIAAA CATAAAAAAT TAGATAGAGI TAITITITITA
				2110	*	GENTITITEA	CATAAAAAT
2070	*	ACACAAT	ICICITIA	2100	*	ACTACAATTT	TCATGTTAAA
2060	*	PATCATC TITE	MINGING AAN	2090	*	CGITTAAITAGI	GCAATTATICA
2050	*	GICINGAAAC GCICIACGAA TAICIGIGAC AGATAICAIC ITITAGAGAAI	CACATOTITIG CCACATICCTT ATACACACTIC TOTATIAGTAG AAAICTOTTA	. 2080	*	AIRCIRGIOG OGITRATROF ACIRCAATIT GIRITITITA AICIPAICICA AIRAAAAAAI	
2040	*	SCICTACGAA TP	CEACATICCTT AN	•	•	•	•
2030	*	GICIPGAAAC (	CACATICITITG (				

2180... TRATIBITION CATTICAMIGI ATRACIPARC TROUBACIGI TRITICATIANC.. 2170 2160 2150 2140

AITTATACATA CIPAGITACA TATTIGALITIG AIGATTIGACA ATAACTATIG...

. .

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BY	CLÁSS	SUBCLASS
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FIG. 12K

<b>k</b>	GAC GITA ACC ANG ANG TITL AITC TINC	CTG CAT TGG TTC TTC AAA TAG ATG AGG GTT	V Y G L L K D V A	
<b>k</b>	GAC GITA ACC ANG ANG TITL AITC TINC	CIG CAT TOG TIC TIC AAA TAG AIG	V Y G L L K D V	
k k	GAC GITA ACC ANG ANG TITT	CIG CAT TOG TIC TIC AAA	V Y G L L K D	
K	GAC GITA	CTG CAT TGG TTC TTC	V Y G L L K	
K	GAC GITA	CIG CAT	V Y G L L	1
K	GAC GITA	CIG CAT	V Y G L	
K	GAC GITA	CIG CAT	V Y G	
K	GAC GITA	CIG CAT	Λ Υ.	
		CIG	>	
		_		ı
	4	CIA	Н	
, K	ANT GAT		Н	-E3I-
		AGA TITA	ፈ	
k	A.	EES	4	
	ğ	AGI		
k	TACAA	ATCIT		
:	•	•	:	:
	k k	TACAATCA GAA	TRCAATCA GAA ATCTTAGT CTT	TACAATCA GAA ATCTTAGT CTT

2280	*	CIT	ACG GAA	:
2.	*	<b>1</b> 3C	<b>SS</b>	Ø
		AIC	TAG	Ω
2270	*	33	<b>AGG</b>	ტ
22		H	AAA	×
	*	AGA		ഗ
_		TIL	AAA	×
2260	*	TIC TITI	AGC	æ
	*	AIC	136	Ω
		<b>AGC</b>	33	Ą
2250	*	TII	TAA AAA	×
(1	*	ATT TIT	TAA	Z
	7	AIT	TAA	A N N
2240	*	130	ACG.	A
22		AGC A	133	Ą
	*	TI	AAA	À

... ATC GAA TAC TCT TCC GTC GAT GTC TAC ACA GGC ATA AAA TGT
... TAG CTT ATG AGA AGG CAG CTA CAG ATG TGT CCG TAT TTT ACA
... D F V R G D I D V C A Y F T

	O.G. FIG.					
BY	CLÁSS	SUBCLASS				
DRAFTSMAN						

### FIG. 12L

:	•	:	:	•
•	•	c ICI	AGA	요
20	*	A	130	Ω
2370	*	8	GGI	M
		X.		က
0	*	AAA	H	ഥ
2360		ACG	<b>19C</b>	æ
	*	AAT	TIA	н
	*	110	ACT AAG	臼
2350		AAC TGA	ACT	တ
7	*	AAC	GGG TITG	>
		8	8	ტ
40	*	<b>366</b>	8	പ
2340	*	ACT	<b>₹</b>	လ
		EIS	8	Z
0	*	A A		တ
2330		AGG	3	₽

	*	ت	4	
	<b>T</b>	E	SA SA	Z
	*	AGG	3	Д
		9	CIG 1	>.
2410	*	[55]	8	EH
		AAT	TITA	н
	*	CTC AIT AAT AAT GGT GAC AGG GTT	ATT.	н
2400	*	ATT	TAA	Z
(1	~			田
	*	GIA	CGT CAT (	×
2390		8	GET	Ŋ
73	*	TIG	AAC	Q
	*	TAT	TCA AITA	H
_	~	CIT AGT TAT TIG GCA GTA	5	E+
2380	*	EES	4	×
•	•	•	:	:

2460... AGC ATC TIT CCA ATC AAT AAT TIT TIT AGC CGG AAT AAC ATC ATC AAA... 2450 2440 2430 2420

**7.** S

w, -

(		
7		
L	I	-

	•											
2500	*	AIC	TAG	Ω	İ							
7	*	TAC	AIG	>								
	*	<b>4</b> 5	55	ß	İ							
90		8	8	<b>K</b>			•		•	•	•	•
2490	*	TIC	AAG	曰			2550	*	: E	GAG.	: 田	:
	*		AAA				25			r D	A	
0	7	<b>TG</b>	K	ഗ				*		TAG 0		
2480	*	GAT	GIA	Σ	İ		0	*		GAA T		
			K.	ፚ	.		2540		_		щ	
	*	CEC	GAG	臼	İ			*	_	TAG 0		
2470	ىد		TAG	Ω	İ				•	1332		
7	•	ATG		Ħ	E31	<b> </b>	2530	*	-	- h	D.	
	*	CEE	GAA.	×	Ī	•	7	*	-	1331	Ą	
		K.A.	13	ß	İ					GIA T	Σ	
:	•	•	:	:			2520	*	_	10C G	Æ	
							25		IC A	75 T		
								*		CTG CAG	>	
							O	*		ATA C		
							2510			ATTA A		
								*		TPG A		

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APPROVED	O.G. F	IG.
BY	CLÁSS	SUBCLASS
DRAFTSMAN		

# FIG.12N

:	•	•	•	2680	*	S TIGG AGC AGT AGC	S ACC TOC TOA TOC	A A T A		:	•	:		•	2770	*	I III IIINGAGAGAA	TITA TAT CITA GAA TCT GITA AA AATCTCTCTT		
2640	*	AAC TTC TCG	田	2670	*	FI TAG TIX	YA AITC AM	T L O		2730	*	TOC GIC.	ACC CAG.	A D.	2760	*	IT AGA CA	AN TICT GIL	K S M	
2630	*	THE AME ATT GITA CAG AGE TITE ATT AME THE TOG.	N A	2660	*	ITIG TICT AK	AAC AGA TO	KEMNLQRTLQAA		2720	*	ACA CAC AAT CTC TGC GTC	C TITA GAG	7 I E	2750	*	ATTA GAT C	TAT CTA G	X I	
	*	E AGC TE	A Y		*	AIT AAG	TAN TITC	N			*	SC ACA CP	e iei ei	A C V		*	GIC ANT.	CAG TITA	Η О	
2620	*	C GITA CA	I Y C	2650	*	CIC CAIL	GAG GITA	E E	E3L	2710	*	AT AGC CC	) <u>1</u>	I A I	2740	*	ACG CITC	TCT TGC GAG CAG	田田	E3I
0		G ANG AN			•		GAA.	<b>×</b>		0	*	T TIT A	A AAA T	×		:	AGA	··· ICI	: :	
2610	*	T ACG TITG A	3 R Q		-					2700	*		AGG TITA CA	H						
2600	*	CAT AGC ACT AGG	W W							2690	*	TIC GAT IX	ANG CITA A	) Н						= F .
	*	55 6	\$ ₹								*	2	AGG 1	Ą		•	,			-

APPROVED	O.G. FIG.				
ВУ	CLÁSS	SUBCLASS			
DRAFTSMAN					

### FIG.120

				2880	*	GICATICIPATA	
				2870	*	TGATTFAACCC	
				2860	*	TCATOCTOTIG GIGGITOGIC GITTICIPATOG AAIGIPAGCIC TGALTPACOC GICATOTATA	THE CONTRACT
2820	*	ITATICA	AATTAAGT	2850	*	GITICIPATOG	
2810	*	TAICAIT TIT	ATAGINA AAA	2840	*	GIGGITICGIC	がなどをなりなり
2800	*	TICAMOCTIA CITI	ACTIGGAT GAA	. 2830	*	. TCATCCTCTG	
2790	*	TIMACACAAC CAGCAAIRAA ACTGAACCIA CITITAICAIT ITITITAITICA	PAITIGIGITIG GIOGITATIT TOACTIGGAT GAAATAGIPA AAAAATAAGI	•	•		
2780	*	CIPACACAAC (	GATTICITICITIC (				

... AGINOGAGAC CACCAAGCAG CAAAGAIRAGC TITACAITCGAG ACITAATITGGG CAGITAGAITAI

				2980	*
				2970	*
:	:	:	:	2960	*
2930	**	TIGGAAG.	PACCITIC.	25	*
2920	*	AT TAIC	NTA ATTAC	2950	*
29	*	GATTGGATT	CIPACCIPA	2940	*
2910	*	GGAGGA (	OCTOOT (	29	*
2900	*	GA TITCI	CT AAGA	:	4
29	*	TICIOGA	PAGACCT		
2890	*	GEIGAIGCIG GIICIGGAGA IICIGGAGGA GAIGGAITAI IAICIGGAAG	OCACINOGAC CAAGACCICI AAGACCICCI CIROCIPAIRA AIRGACCITIC		

2990

... ANICICIGIT AITICCITGT ITICATGIAT CEATIOCGIT GIPACATTAA CATTGCCAAA ... TIPGRGACAA IBAAGGAACA AAAGIRCAIR GCIRAAGGCAA CAITIGIRAIT CIRAGGCIITI



APPROVED	O.G. FIG.			
ВУ	CLÁSS	SUBCLASS		
DRAFTSMAN				

# FIG.12P

				3100	*	GEAGEALTOC	CATCATTAAGG
				3090	*	SICIPACIAG IGGAGGIICG ICAGCIGCIC IAGITIGAAF CAICAICGC GIAGIALTCC	CAGALITICATIC ACCTOCCAAGO AGTOCAOCAG ATICAAACITIA GIAGIIAGOOG CALICALIAAGG
				3080	*	TAGITICAAL	ATCAAACTTA
3040	*	PACCOCET	FIGOGCA	3070	*	TCAGCTGCTC	AGTOGACCAG
3030	*	GIGITIG ITTICCAATCT CTACACGCGT	CACAAC AAACSITIACA GAIGIGOGCA	3060	*	TOCAGGITICG	ACCITOCAAGO
3020	*	AAGIGITIG TITT	TICACAAC AAA	3050	*	GICIPACIAG	. CAGATTICATIC
3010	*	GCTCTAAAT TTGGGAGGCT TAAA	AACCCTCCCA ALTTI	•	•	•	•
3000	*	TOCTICTABAL 1	ACCACATTUR P				

			3210	*	<b>ICCITITICITIA</b>	<b>AGGAAAGAAT</b>
			3200	*	AAAIPAICGI IGIPACICAC AICCITIAIT ITAICIAIRI IGIAITICIAC ICCITICITA	ITITATITAGCA ACATTICAGIG IPAGAAATAA AATAGATATA ACATAAGAIG AGGAAAGAAT
			3190	*	TTATCTATAT	AATACATATA
3150	AACCITIA	TTGCAAT	3180	*	ATCCTTTAIT	TAGGAAATAA
3140	ICTICGIC GAG	AGAGCAG CITC	3170	*	TGTAACTCAC	ACATTICAGIG
3130	TGENTEL ATT	ACATRACA TRA	3160	*	. AAATAATOGT	. TITIATTAGCA
3120	PACTITITACA GITAGGACAC GGIGIPALIGI ATTITICIOGIC GAGAAGGITA	AUGAAAAIGI CAAIOCIIGIG OCACAIBACA IBAAGAGCAG CICIIIGCAAI	•	•	•	•
3110	TACTITITACA G	ATICADADATICT C				

AIGCATTITA TACCGAATAA GAGATAGCGA AGGAATTCTT TITTATTGATT... TACGIPABAN ANGSCHIPATH CICIPATOSCH TOCHTBAGBA BABIBACIPA...

APPROVED	O.G. FIG.		
BY	CLASS	SUBCLASS	
DRAFTSMAN			

# FIG.12Q

C	3290 *	*		3300	
---	-----------	---	--	------	--

			3430	*	ITCALTICAA	AAGTAAGTT
			3420	*	AAGINCIIGCI AAAIICIICCAA AAIIINGAINA AAAIIGAINCA GCAAAIINCAG CIIICAIIICAA	CETTIMICIC G
			3410	*	AAAIIGAIIACA (	TITIACIPATGI (
3370	ATGAAGT	IACTICA	3400	*	AATTACATAA	TTAATCTAIT
3360	ř ICTICIT CIPA	ACAACAA CAT	3390	*	AAAIICICCAA	TITINGAGGIT
3350	1330	SCHITATIAGE CALITATICIGE CCTICACOGE CENACAACAA GALTACITICA	3380	*	AAGTACTGCT	TICAIGACCA ITTACAGGIT ITTAAICTAIT ITTACTAIGE CGITTAIGIC GAAGIAAGIT
3340	TAATAGACA GO	VATTATICTICT CC	•	•	•	•
3330	CCAAATTATICA C	GCITTIAIPAGI (				

		3540	*	AAAGATTCAT
		3530	*	TCAGAIGAIG AGAAAGIAAA IAIBAAIITIA ACITIAIGGGI AIAAIAIBAI AAAGAIIICAI
		3520	*	ACTIPATICAGE
3480	ACTRAG	3510	*	<b>PATPAPATITE</b>
3470	TECAA ACTA ATGIT TGAT	3500	*	CAPACIDABA 1
3460	CACAC CITAN GIGIG GAAIP	3490	*	CAGATICATIC A
3450	ITITIT TCACA VAAAA AGICI	:	•	T
3440	SCHAFITACCI ITIPATITITI TCACACACAC CITATITACAA ACIPACITAAG			

APPROVED			
ВҮ	CLASS	SUBCLASS	
DRAFTSMAN		}	

## FIG.12R

				3650	*	ATTGTTTAAG	TAACAAATTC
				3640	*	TICAAACCII ICIGGAIAIT AIAAAAIACC AGIIBAIGAI AIIBAAAIAG AIIGIIIIBAG	AGITITICGAA AGACCIATAA TAITTITAIGG ICAAITTACIA TAAITTITAIC TAACAAAITIC
				3630	* .	AGTTAATICAT	TCAATTACTA
3590	*	CAACCCC	GITTGGGG	3620	*	ATTAMAMTACC	TATTTTATGG
3580	*	CITATIC CAL	GAATTAAG GTPA	3610	*	TCIGGATAIT	AGACCIPATRA
3570	*	SATRITIAATRA ATTITIACTITIAA CCATGITTIAAT ACACTITIATTIC CATCAACCCC	CIPITAATTAT TAAAIGAATT GCIPACAAITA ICIGAATAAG GIPAGITGGGG	3600	*	TICAAACCIT	AAGITITOGAA
3560	*	ATTITACTIDAA O	TRAAIICAAIT G	•	•	•	•
3550	*	GATTATTAATTA	CIPITATITAL				

			3760	*	GAITITACAG	CTAAAIGIC
			3750	*	CACATIGGAAA TGAATTACCT AATATTAATA AITIATGATAG GAATTITITIA GGATTITACAG	GIGINCCITIT ACTIVATIOGA TITALIAALTIAL TAAINCIAIC CITIAAAAAAI OCIDAAAIGIC
			3740	*	ATTAICATAG	TAATACTATC
3700	TAICLL	ATAGAAA	3730	*	AATATTAATA	TTATTAATTAT
3690	AAAATTA GIC	TITITANT CAG	3720	*	TCAATTACCT	ACTITAATIGGA
3680	STRANGCA TRI	CATTICCT AIR	3710	*		GIGINOCITI
3670	ACATICTAAAT AATTATTTIGG AGGTAAAGGA TATAAAATTA GICTATICTTT.	ICIACATITIA TIPATRAPACC TOCATITICCI ATATITITIAAT CACATACAAA	•	•	•	•
* * *	ACATICIDADAT A	TCIACALTIN T.				

3810	*	r ggtaaaacac	SACAATATIAC ATAGITIGITIA TGICCGICTIA GATACCAATIA CCATTITIGIG
3800	*	CTATIGGTTPAT	GATACCAATA
3790	*	ACAGGCAGAT	TGTCCGTCTA
3780	*	TGITIATIATG TATCAACAAT ACAGGCAGAT CTATGGTTAI	ATAGITIGITIA
3770	*	CIGITIATAIG	GACAATTATTAC

APPROVED	OG.	FIG.
BY	CLASS	SUBCLASS
DRAFTSMAN		

3820	* * *	IGERACGGGA AGCAGCALTIC TRIGGERACT GOCCEATGET TRAFFACCAG ATCATTITAC	ACATTICCOCT TOGICGIPAG ATACCATTICA COGCATACAA ATTATICGGIC TAGIPAAATIC
	*	ACCACCATTIC	TOSTOSTAAG
3830		r	r n
	*	TAITGGIL	ALPOCAL
3840	*	ACT (	(1) (E)
3850	*	SCCENIGE	COCCATACAA
	*	TRATTAG	ALTAIC
3860	*	2236	3GIC
m	*	AICALL	TAGITAAA
3870	*	IAC IAC	AIG

FIG.12S

				3980	*	CTACTAATAA	GAICAITIAIT
				3970	*	ATAICTAACA ACAACAAAA AAITITAACCA TGTAITGGCCA GAAGTAITIT CITACTAATAA	PATAGATIGI IGIIGITITI TIPAATIGCI ACATACOGSI CITCALAAAA GAIGATIMIT
				3960	*	TGTATGGCCA	ACATTACCOGT
3920	*	TAATTATT	ATTATAA	3950	*	AAITTTAACCA	TTAAATTIGCT
3910	*	ATPGGA TOCTOTPGAT ATTITAATATT	ACATICIDA TRAD	3940	*	ACAACAAAAA	TGITGITITI
3900	*	ATTANTAGGA TOC	ACATATITICI AAAAIIGGIIGI ITATITATICCI AGCAGAICIPA TAAAIITATPAA	3930	*	. ATPATCTPACA	. TATACATTGT
3890	*	CTATAAACA TITITAOCACA AATA	AAAAIGGIGT T.	•	•	•	•
3880	*	TCTATAAACA	ACATATTTGL				

				4090	*	TITIATIATITAA	
				4080	*	CCTCCAACCT	*00
				4070	*	TATACAAAAA	
4030	*	PAICAIT	TTAGTAA	4060	*	GAAAGAAAIG	
4020	*	GAAAGAA GAT	CITICITY CIPA	4050	*	TACTAATATG	
4010	*	ACATRAAGAT AGICTATCIT AICTACAAGA TAIGAAAGAA GATAAITCAIT	ICIAITICIA ICAGAIAGAA IAGAIGIICI AIACITIICIT CIAITIAGIAA	4040	*	INGINGING TACINAINIG GAAAGAAAIG IMINCAAAAA GGIGGAAGCI ITITAIPATIPAA	
4000	*	AGICIPATOTT A	TCAGATAGAA 1	•	•	•	
3990	*	ACATPAACAT.	TCTAITTCTA			•	

... AICAICAICG AIGAITAIAC CITICITIAC AIAIGITITI GCACCITICGA AAAIRAIRAIT

	O.G. FIG.			
BY	CLASS SUBCLASS			
DRAFTSMAN				

#### FIG.12T

				4200	*	CAGICATATA	GICACIPATAT
				4190	*	TIPAAITOCCA AIRICCATIC IRIPATITICAT CAIRACAGIA GIACATIRAT CAGIGAIRIRA	AAITIFACGGI TATRACCIRAG ATATAAAGIR GIRATIGICAT CAIGIRAITIR GICACIRIRA
				4180	*	CATTAACAGTA	GIPITIGICAL
4140	*	AAAACAG	ITITIGIC	4170	*	TATATTICAT	ATATAAAGTA
4130	*	TENGTENT AND	VATICATIA TITIC	4160	*	ATTATOGATTIC	TATTACCTAAG
4120	*	AAAAICITA GAC	ITITINGAL CIG	4150	*	TTAAATGCCA	AATTIMOGGI
4110	*	MINGCAITAIT ACIDGAAGAI IIIAAAAITCIIA GACTIIAGIIAI AACAAAACAG	DATOGIBADA TGAUCTICIB BAUTITIBGAL CIGAALCAIB TIGITITIGIC			•	•
4100	*	ATPACCATFATT A	TAICGIATAA I				

				4310	*	ATPAGGATFACG	TATOCTATEC
				4300	*	AATACTAAAA	TTATCATITT
				4290	*	ACCITICIPACE	TGCAAGATIGG
4250	*	TGCCAAT	POGGITIA	4280	*	TATIGICIPAT ATTITIAACIT TAGAACIFAA AGGITICIFAC AATACTAAAA ATAGGATAGG	ATACAGATTA TAAAATTGAA ATCITGATTT TGCAAGATGG TTAIGATTTT TAITCCTAIGC
4240	*	ATTAMBCA ATTA	TAITICGE TAI	4270	*	ATTTTAACTT	TAAAATTGAA
4230	*	CIGABACCAT CIRCAGACIC AACIBIIGCAA GGAAIRAGCA AIRAIGCCAAI	PACITICOTA GAIGICIGAG TIGATACGIT OCTIPATICGI TATACGGITA	. 4260	*	. TAIGICEAAL	. ATPACAGATTPA
4220	*	CIPCAGACTIC AP	PATIGRECICAS TO	•	•	•	:
4210	*	CIGAAACGAI (	CACTITICCIA (				

TGATAGGCTG TIPAAAGCTG CAATAAATAG TAAGGATGTA GAAGAAATAC... ACTATOCCAC AATTITICGAC GITTAITITATIC ATTICCTACAT CITICITITATIG...

APPROVED		
BY	CLÁSS	SUBCLASS
DRAFTSMAN		

4420	*	<b>PAPACITIGITA</b>	SITICAACAL	۵
4410	*	TITIGITICIPAT ACCITICACAG GAAAGAACIT TAGAACAACI TAAGITITAAT CAAACITIGIA	AAACAAGATA TOGAAGOCTC CTTTCTTGAA ATCTTTGTTGA ATTCAAATTA GTTTTGAACAT	
4400	*	TAGAACAACT	AICTIGITGA	
4390	*	GAAACAACITI	CITICITICAA	
4380	*	<b>ACCITICGGAG</b>	TOGAMOCCIC	
4370	*	TITIGITICIAL	<b>AAACAAGAITA</b>	
•	:	:	:	

FIG.12U

4430 \* \* TITIMICAMOG TMCC AMMINCTICC MIGG